

Abstract

Magnetic linear drive

5 A magnetic linear drive has a coil (10, 11) in whose interior the current can produce a magnetic flux (13) in an axial direction (34), having an armature (1) which can move only at right angles to the axial direction (34) and which has a magnetically active part
10 10 (3) which is magnetized, in particular, parallel to, but in the opposite direction to, the axial direction (34). The armature is driven by a current surge, which accelerates the magnetically active part (3) toward the coil center, irrespective of its initial position.

15

Figure 1